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NOTES AND NEWS.

A FINE ILLUSTRATION of *Yucca Whipplei*, reproduced from a photograph, appears in *Garden and Forest* for October 16th.

MR. DRUERY, in *Gardener's Chronicle* (Sept. 28th), reports a "bi-generic" fern hybrid between *Scolopendrium vulgare* and *Ceterach officinarum*.

IN CONNECTION with Professor Huxley's death it is of interest to call attention to his single paper on systematic botany, entitled, "The Gentians: notes and queries." It was published in 1887 in *Jour. Linn. Soc.*

THE INFLUENCE of spray and rain on the forms of leaves is a topic written upon by Conway MacMillan in *Science* for October 11th. He takes several recent articles by foreign botanists as the basis of his discussion.

THE RARE *Rhus Michauxii*, of North Carolina and Georgia, is described and figured in *Garden and Forest* (October 9th). Dr. Sargent believes it to be the most poisonous of the North American species.

DR. HARVEY W. WILEY, Chief of the Division of Chemistry, Department of Agriculture, has just published a bulletin containing an account of his analyses of cereals collected at the World's Columbian Exposition.

A FEW COPIES of the *Uredineæ Americanae Exsiccatae* published by Mr. M. A. Carleton in 1894 can still be obtained of the author (Agric. Dep't, Washington, D. C.). Only one fascicle of fifty specimens was issued, and the publication has been discontinued. The price is \$2.50, or \$2.75 in foreign countries.

MOLISCH recently showed that the phycoerythrin of the Florideæ is a crystallizable proteid substance,¹ and in a still more recent paper² he demonstrates the same for phycocyanin. The solubility of its crystals in water, its loss of solubility (coagulation) after treatment with boiling water, alcohol, ether, and dilute acids, its capacity for swelling, taking stains and easy decomposition, together with its proteid reaction, leave no doubt of its proteid nature.

MR. D. T. MACDOUGAL has been promoted as Assistant Professor of Botany in the University of Minnesota, in charge of graduate and undergraduate work in vegetable physiology. The department will shortly erect a range of plant houses, in anticipation of which, Prof. MacDougal was sent to Europe last summer by the university, with a view to inspecting the best practice in European botanical gardens. An article from his pen, with the title "Botanic Gardens," appears in the *Minnesota Magazine* for October, separates of which have been distributed.

¹ Bot. Zeit. 52: —. 1894.

² Bot. Zeit. 53: 131. 1895.